



1/16

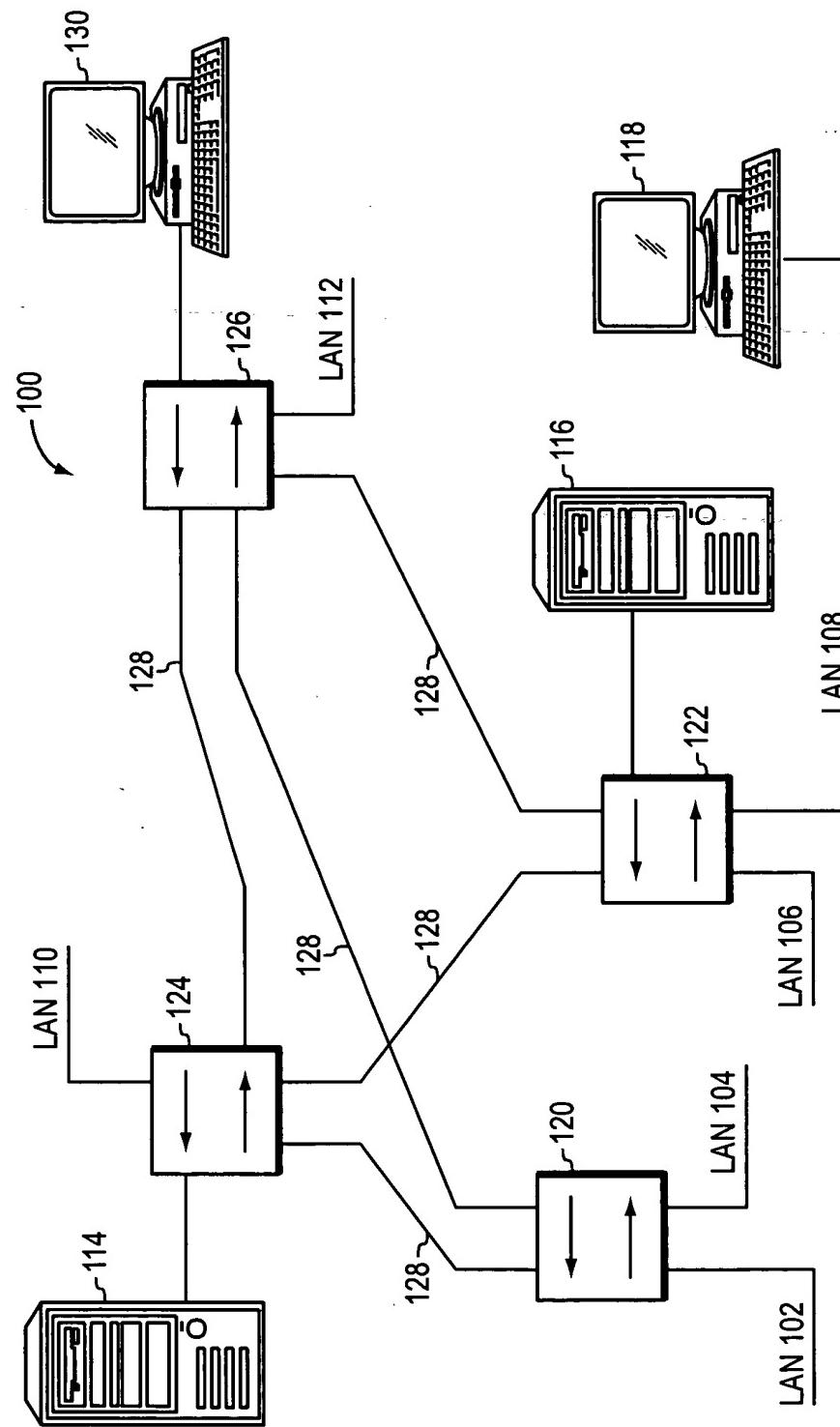


FIG. 1

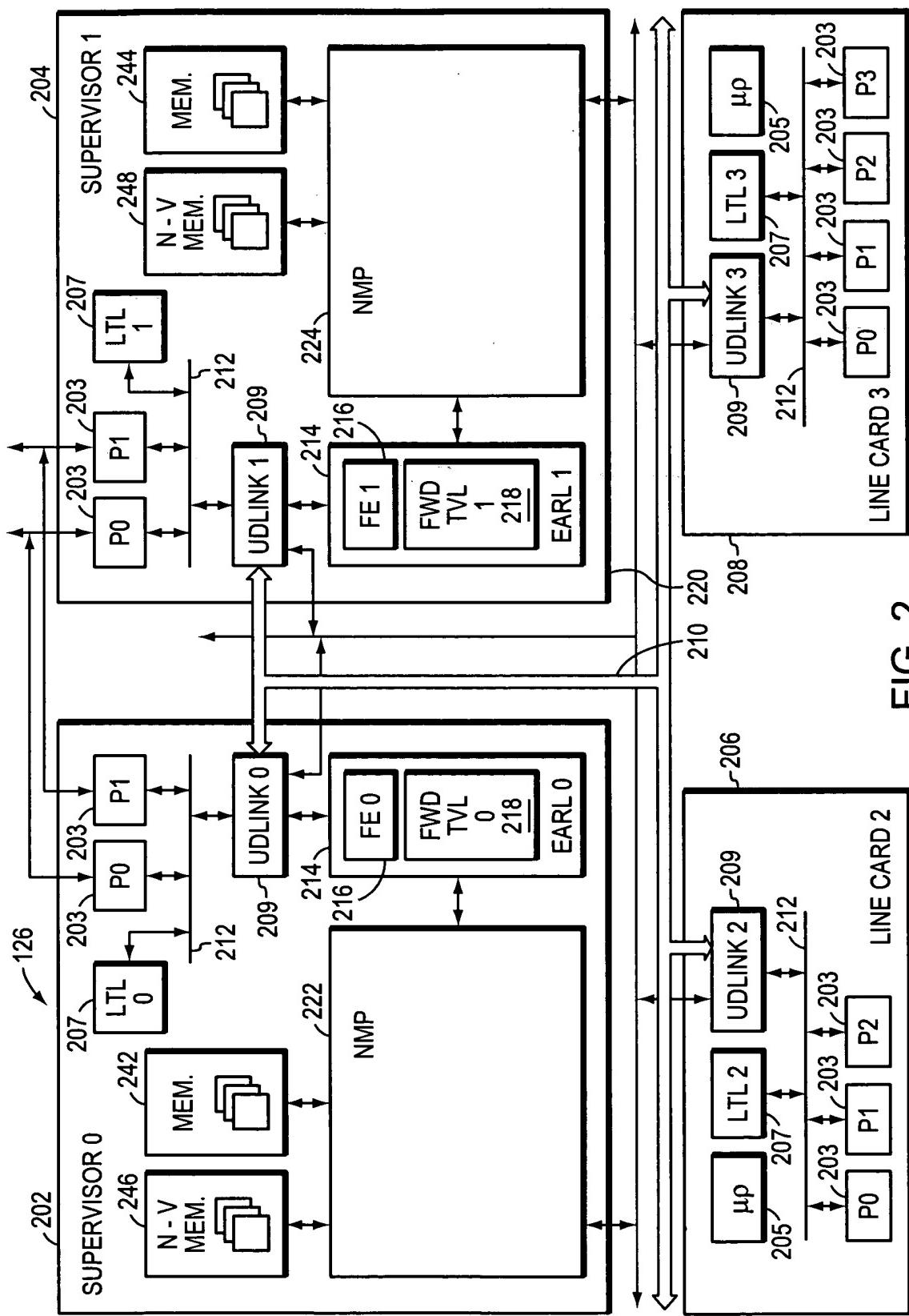
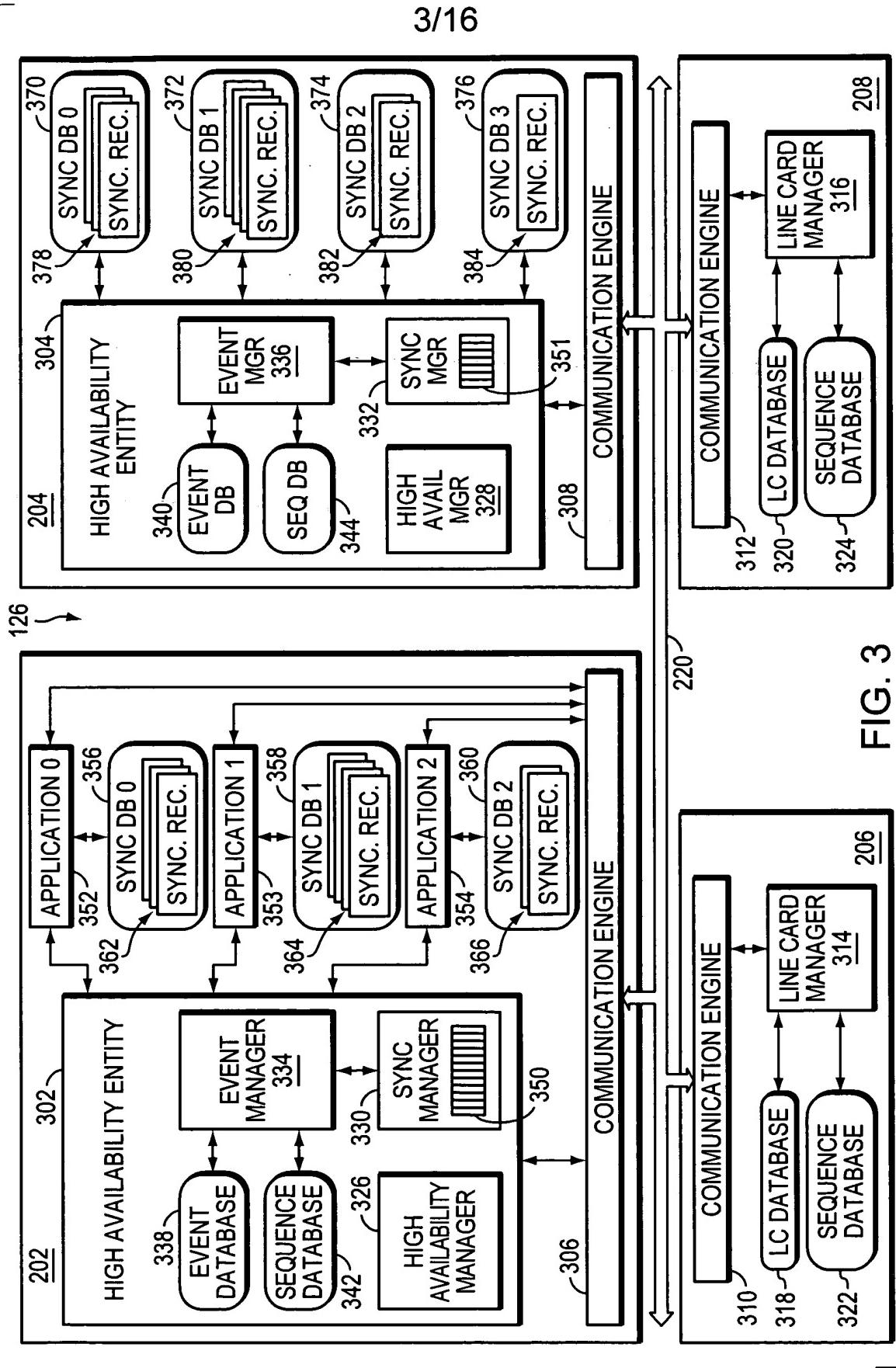


FIG. 2

FIG. 3



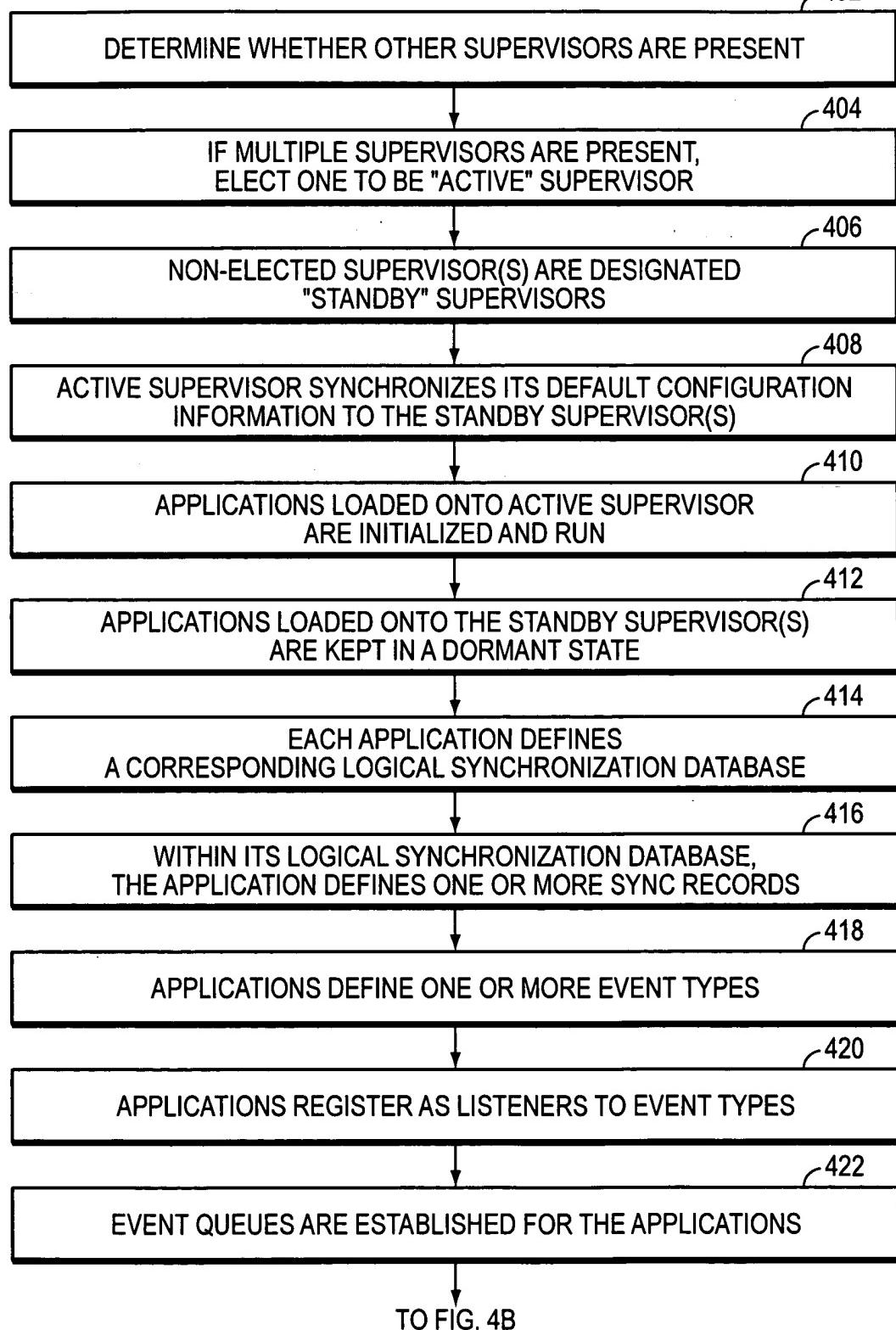


FIG. 4A

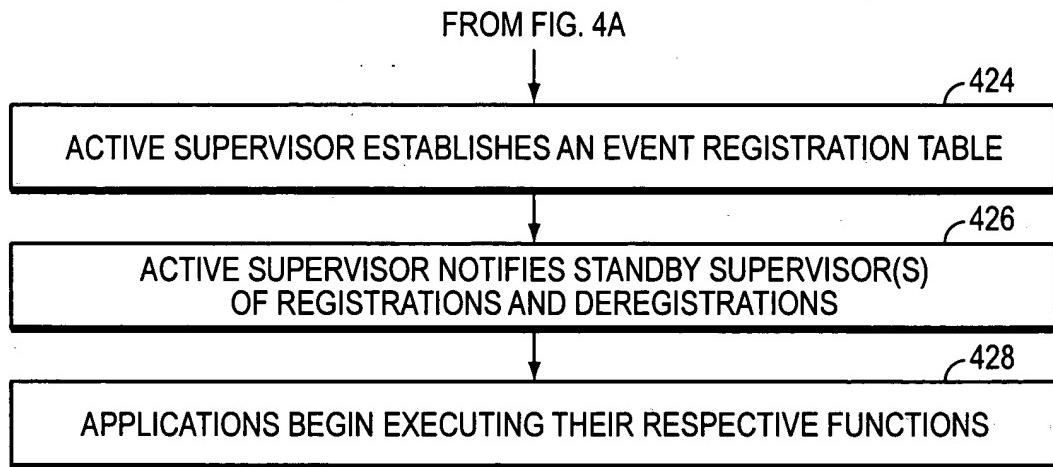


FIG. 4B

6/16

500

506

| 502 ↗ 504 ↗ EVENT REGISTRATION TABLE | | REGISTERED LISTENERS | | | | | |
|--------------------------------------|----------|----------------------|----|----|----|----|----|
| EVENT TYPE | PRODUCER | A0 | A1 | A2 | A3 | A4 | An |
| E1 | A1,A2 | | | X | | | |
| E2 | A0 | | X | | | | |
| E3 | A4 | | X | | | | |
| E4 | A3,A4 | X | | | | | |
| E5 | A1 | | | | | | |
| E6 | A2 | | | X | X | | |
| E7 | A0 | X | X | X | | | |
| E8 | A2,A3 | | X | X | | | |
| ... | | | | | | | |

506

FIG. 5

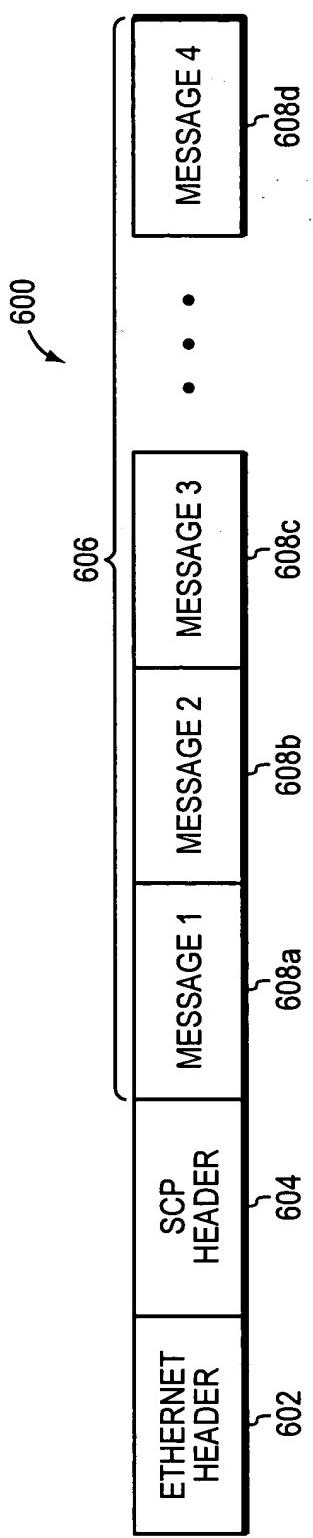


FIG. 6

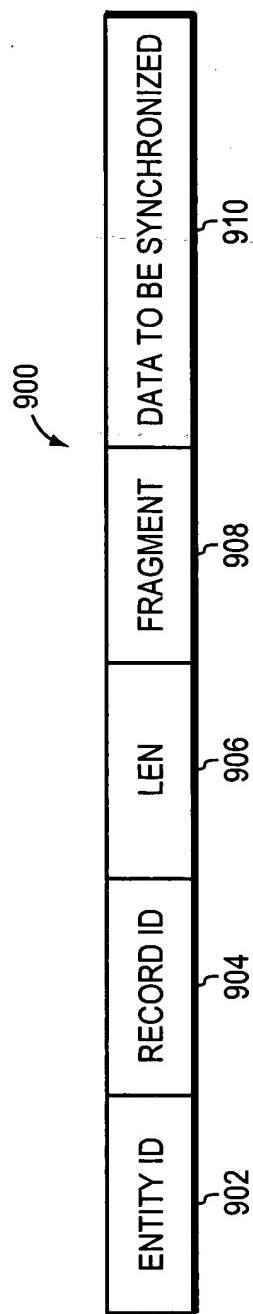


FIG. 9

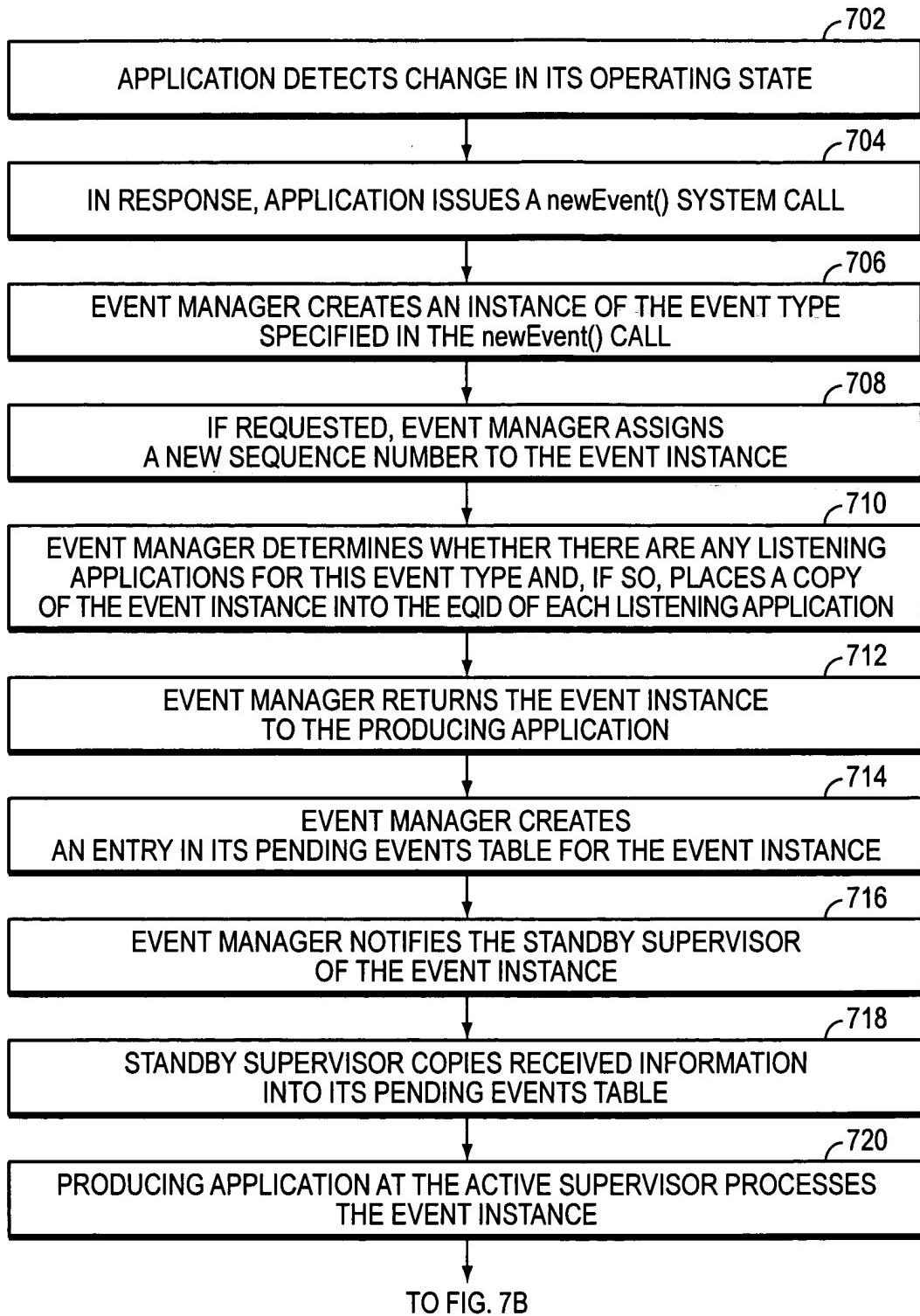


FIG. 7A

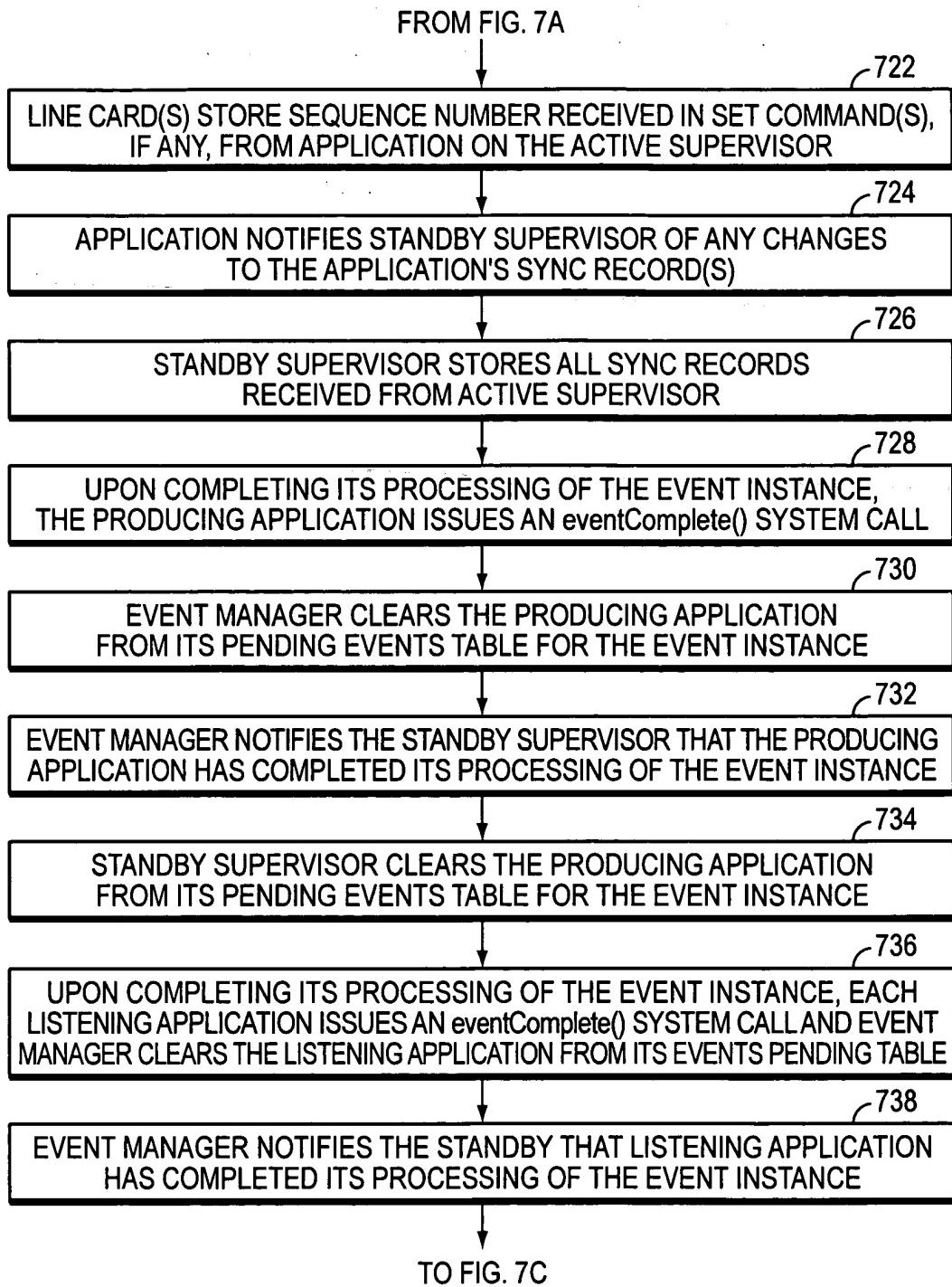


FIG. 7B

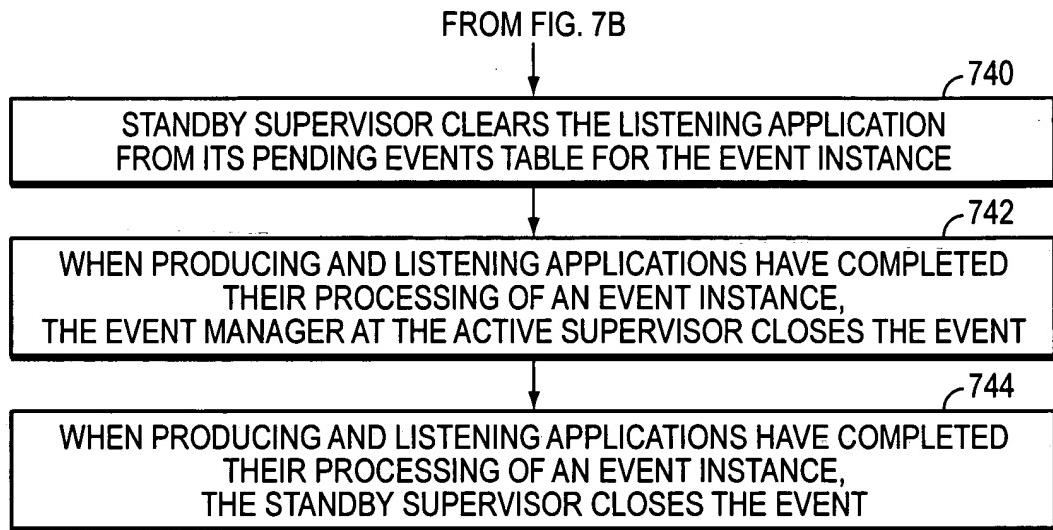


FIG. 7C

11/16

The diagram illustrates two tables, **EVENTS STARTED** and **EVENTS FINISHED**, with arrows pointing from specific rows to event IDs at the bottom.

EVENTS STARTED

| eventID | A0 | A1 | A2 | A3 | A4 | A5 | An |
|---------|------|------|------|------|------|------|------|
| E1.45 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| E1.23 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| E4.11 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| E7.33 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| E2.77 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 812 | 814a | 814b | 814c | 814d | 814e | 814f | 814g |

EVENTS FINISHED

| eventID | A0 | A1 | A2 | A3 | A4 | A5 | An |
|---------|------|------|------|------|------|------|------|
| E1.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E1.23 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| E4.11 | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| E7.33 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| E2.77 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 822 | 824a | 824b | 824c | 824d | 824e | 824f | 824g |

Arrows point from specific rows in both tables to the corresponding event IDs at the bottom:

- From row 1 of **EVENTS STARTED** (E1.45) to 814a
- From row 2 of **EVENTS STARTED** (E1.23) to 814b
- From row 3 of **EVENTS STARTED** (E4.11) to 814c
- From row 4 of **EVENTS STARTED** (E7.33) to 814d
- From row 5 of **EVENTS STARTED** (E2.77) to 814e
- From row 1 of **EVENTS FINISHED** (E1.45) to 814f
- From row 2 of **EVENTS FINISHED** (E1.23) to 814g
- From row 3 of **EVENTS FINISHED** (E4.11) to 824a
- From row 4 of **EVENTS FINISHED** (E7.33) to 824b
- From row 5 of **EVENTS FINISHED** (E2.77) to 824c
- From row 6 of **EVENTS FINISHED** (822) to 824d
- From row 7 of **EVENTS FINISHED** (822) to 824e
- From row 8 of **EVENTS FINISHED** (822) to 824f
- From row 9 of **EVENTS FINISHED** (822) to 824g

FIG. 8

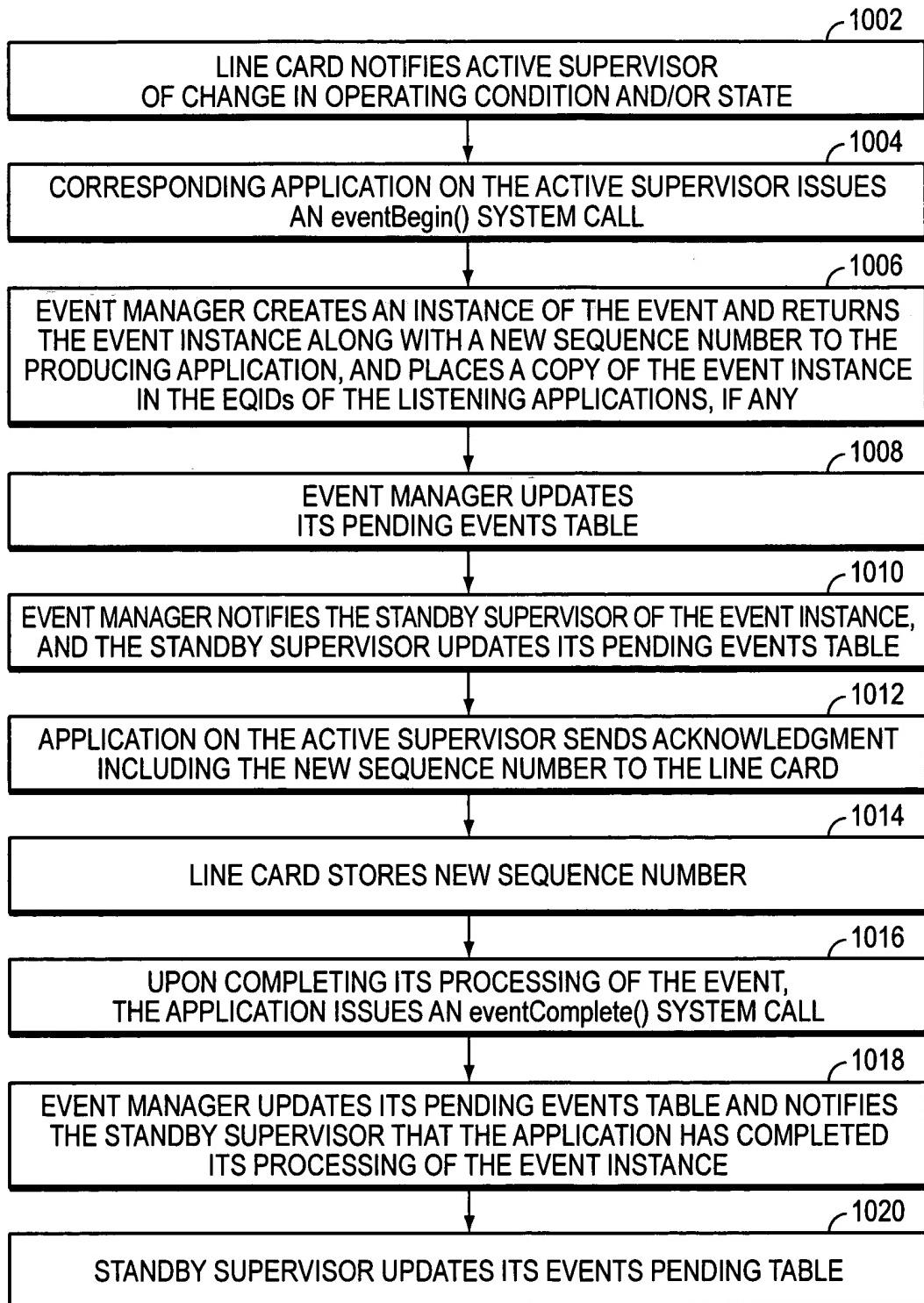


FIG. 10

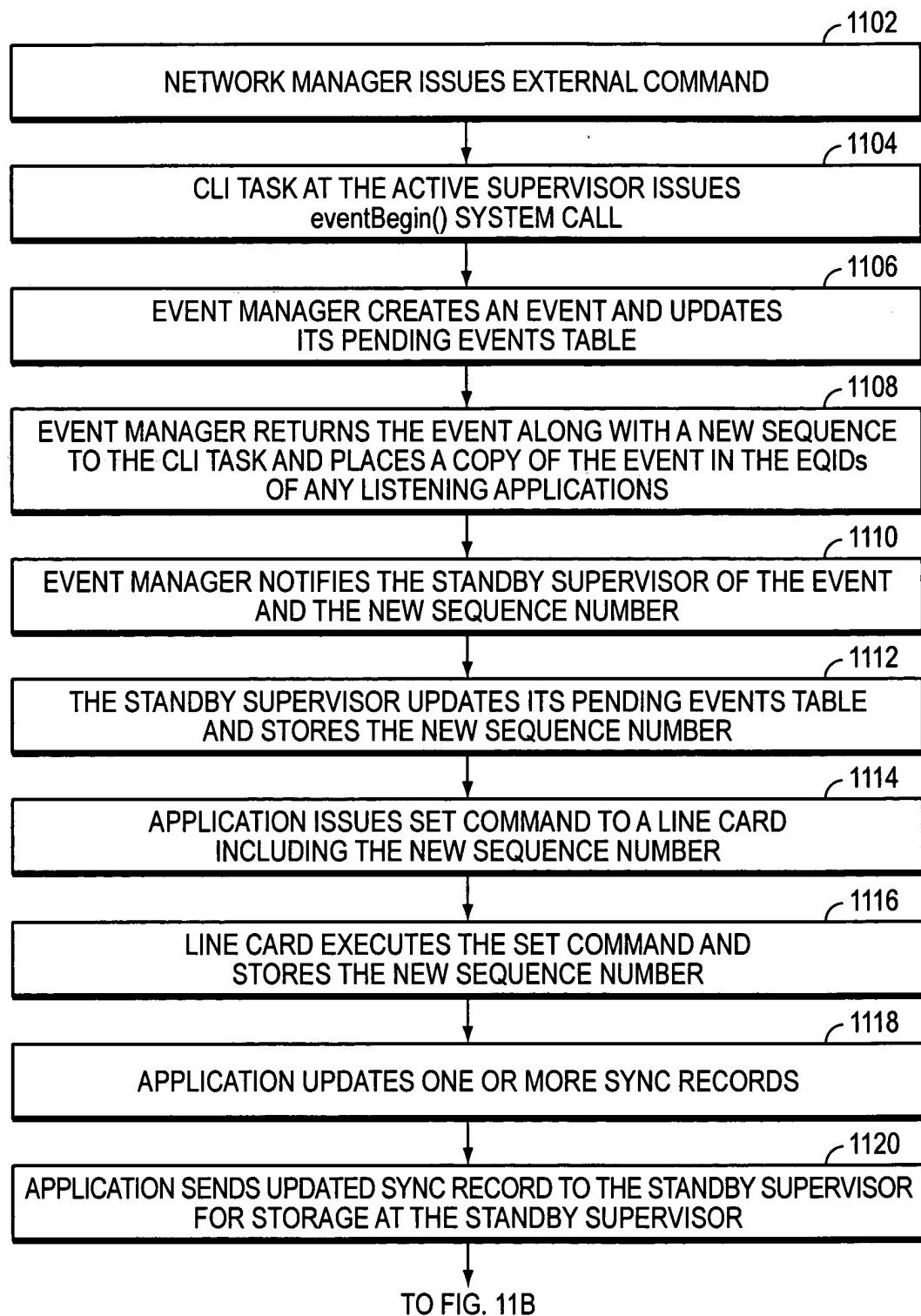


FIG. 11A

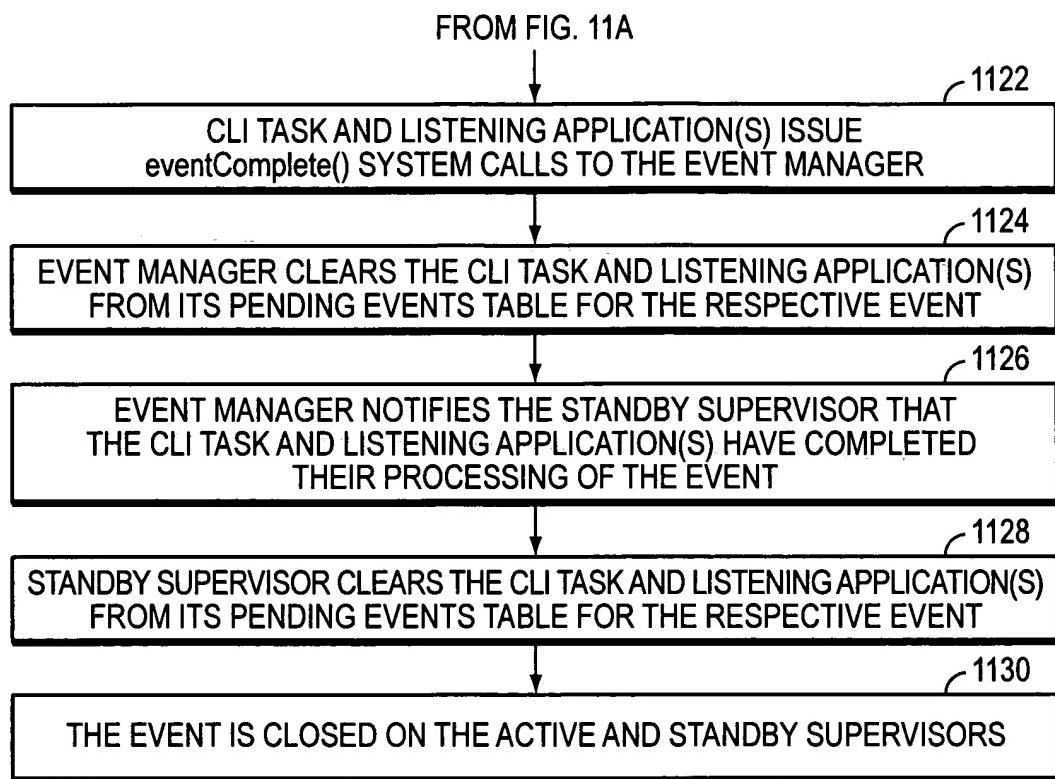


FIG. 11B

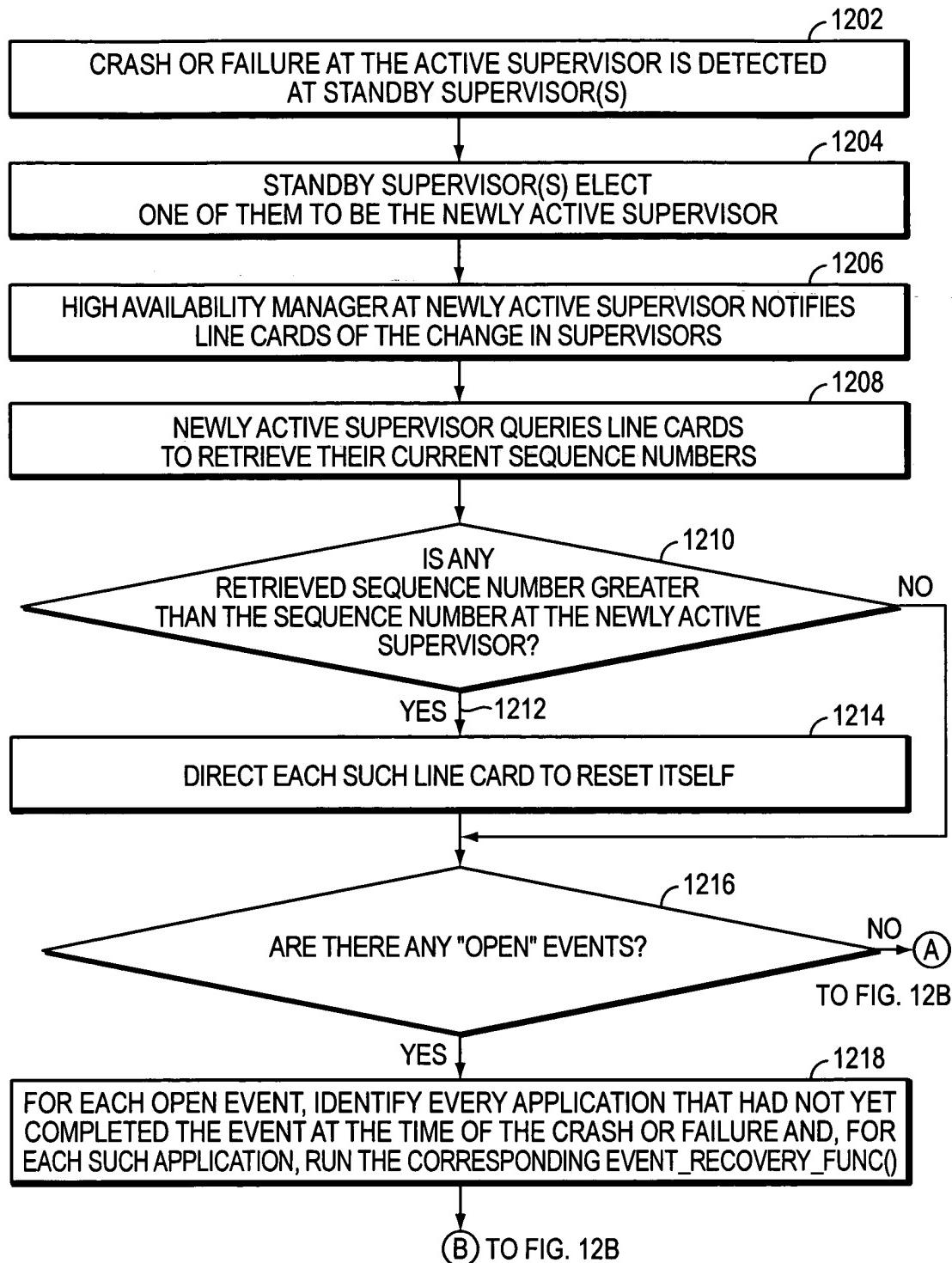


FIG. 12A

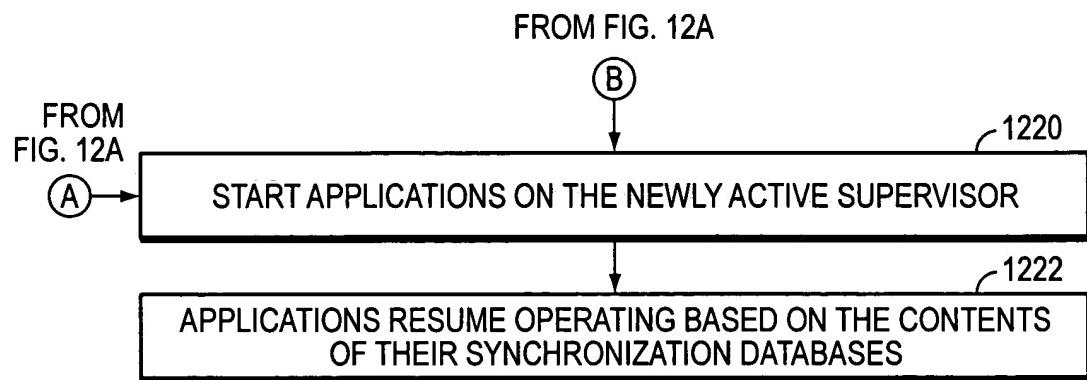


FIG. 12B